Instructor: Andrea Tamburelli **Time:** MWF 10-10:50 am
Office: Hermann Brown Hall 444 **Classroom:** SEW 301
Email: at52@rice.edu

Zoom links: Lectures (if not in person): Meeting ID: 952 4662 6104. Passcode: 206833
Office hours (if not in person): Meeting ID: 463 894 2882. Passcode: 993121

Office Hours: Monday 3-5pm, Wednesday 2-4pm and Friday 3-5pm in my office, or via zoom.

Textbook: No textbook is required, but if you want one for reference purposes, you may use *OpenStax: Calculus Volume 3*, which is available freely at https://openstax.org/details/books/calculus-volume-3.

Course outline: This course generalizes concepts from Calculus 1 and 2 to higher dimensions. We will study real-valued functions in several variables and vector-valued functions. We will learn how to compute line integrals, multiple integrals, and surface integrals, making use of various versions of Stokes theorem.

Homework: Homework is due every week (except the first) on **Friday** by 11:59pm, to be submitted on Canvas in a single pdf file. Homework is a key part of the course and no late assignments will be accepted for any reason. However, the 2 lowest homework grades will be dropped. Homework is not pledged and you are encouraged to collaborate with other students in the class. However, your solutions must be written up individually.

Webwork: At the end of each class day, quizzes on Webwork will be assigned. These need to be completed by 11:59pm of the following day.

Grading: Grades will be based on homework and exams according to the following scheme:

Webwork:	6 %
Homework:	10 %
Midterm I:	24 %
Midterm II:	24 %
Final exam:	36 %

The aim in Math212 is that letter grades should not depend on whether a student's section is an "easy" or "hard" section. To that end, when computing final course grades, a student's exam scores are normalized against exam scores of all students in Math212 this semester (not just those in this section), while a student's non-exam scores are normalized against the non-exam scores of students in this section. In particular, students should not assume that having higher raw scores on homework than on exams will necessarily increase their final letter grade.

Important dates: First day of classes: January 10th
Midterm I: TBA
Midterm II: TBA
Last day of classes: April 22nd
Final: TBA

Title IX Responsible Employee Notification: Rice University cares about your wellbeing and safety. Rice encourages any student who has experienced an incident of harassment, pregnancy discrimination or gender discrimination or relationship, sexual, or other forms interpersonal violence

to seek support through The SAFE Office. Students should be aware when seeking support on campus that most employees, including myself, as the instructor/TA, are required by Title IX to disclose all incidents of non-consensual interpersonal behaviors to Title IX professionals on campus who can act to support that student and meet their needs. For more information, please visit safe.rice.edu or email titleixsupport@rice.edu.

Collegiality and Respect: The Department of Mathematics supports an inclusive learning environment where diversity and individual differences are understood, respected, and recognized as a source of strength. Racism, discrimination, harassment, and bullying will not be tolerated. We expect all participants in mathematics courses (students and faculty alike) to treat each other with courtesy and respect, and to adhere to the mathematics department standards of collegiality, respect, and sensitivity as well as the Rice Student Code of Conduct. If you think you have experienced or witnessed unprofessional or antagonistic behavior, then the matter should be brought to the attention of the instructor and/or department chair. The Ombudsperson is also available as an intermediate, informal option, and contacting them will not necessarily trigger a formal inquiry.

Disability Support: If you have a documented disability that may affect academic performance, you should: 1) make sure this documentation is on file with Disability Resource Center (Allen Center, Room 111 / adarice@rice.edu / x5841) to determine the accommodations you need; and 2) contact me to discuss your accommodation needs and provide me with a copy of your Accommodation Letter.

Online sources: The service *Canvas* will be used for this course. Announcements, coursework, etc. will be posted there.